

## REMARKS

Responsive to the Office Action of March 17<sup>th</sup> 2008, claims 1-20 are pending. The title is being amended. Claims 1, 2, 7, 8 and 10 to 20 are being amended. No new matter is being added.

Claims 2-10, 12-14, and 18-20 have been indicated as allowable. Appreciation is expressed for the indication of allowability of these claims.

Claims 1, 11, 15 and 16 are rejected under 35 U.S.C. 102(b) as being anticipated by Takahashi *et al.* (US 6,002,220).

Claims 1 and 11 have been amended to include the requirement that the first control means/circuit is arranged to present selectively a high impedance state, a low impedance state or a controlled current state, said controlled current state controlling the magnitude of the current supplied by said first control circuit to said load.

This feature of a controlled current state may enable in some embodiment trickle charging while connected to the load (use of the telephone in the embodiment described), surge control and other current controls as a function of voltage generator and battery capacity that the citations cannot provide (no current control between the voltage generator and the load).

In Takahashi *et al.*, the supply from the 'commercial' power lines to the application (in this case the air conditioner) is a regulated voltage supply, however its current is not regulated. Only current into or from the battery is regulated on the 'right hand' side ("second control means/circuit" in the language of the present claims) with the FETs. With the present invention as claimed in claims 1 and 11, both the left hand side ("first control means/circuit" in the language of the present claims) and the right hand side can control the current.

Moreover, in the case of charging the battery while the application (the telephone) is in use the main current control can be performed using the controlled impedance state on the left hand side because the voltage from the voltage generator is sufficient for doing that. Takahashi *et al.* only controls current flow to and from the

battery (at the right hand side) and at the left hand side only has on-off control, with no third, current control, state.

Accordingly, it is submitted that the invention claimed in claims 1 and 11 is novel and is not obvious. The opportunity has been taken to direct claims 11 to 20 to power supply control apparatus for controlling supply of a direct voltage and current between a voltage generator, a load that is connected to a first terminal, and a rechargeable battery that is connected to a second terminal.

Claims 15, 16 and 17 depend from claim 11 and contain all the limitations of claim 11 and are submitted to be allowable, at least for that reason.

Claims 2, 12 and 18 have been rewritten, with amendments, in independent form. Claims 3-10, 11-14, 19 and 20 now depend from independent allowable claims 2, 12 and 18 and are submitted to be allowable, at least for that reason.

Although Applicants may disagree with statements made by the Examiner in reference to the claims and the cited references, Applicants are not discussing all these statements in the current Office Action since reasons for the patentability of each pending claim are provided without addressing these statements. Therefore, Applicants reserve the right to address these statements at a later time if necessary.

No amendment made herein is related to the statutory requirements of patentability unless expressly stated herein. Further, no amendment herein is made for the purpose of narrowing the scope of any claim, unless Applicants have argued herein that such amendment was made to distinguish over a particular reference or combination of references.

The case is believed to be in condition for allowance and notice to such effect is respectfully requested. If there is any issue that may be resolved, the Examiner is respectfully requested to telephone the undersigned.

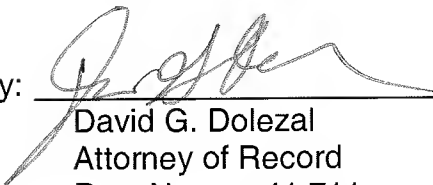
If Applicant has overlooked any additional fees, or if any overpayment has been made, the Commissioner is hereby authorized to credit or debit Deposit Account 503079, Freescale Semiconductor, Inc.

SEND CORRESPONDENCE TO:

Freescale Semiconductor, Inc.  
Law Department

Customer Number: 23125

Respectfully submitted,

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